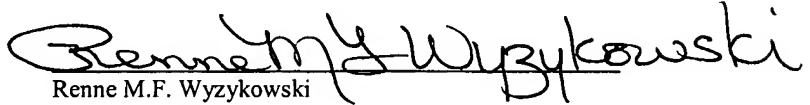




PATENT

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Renne M.F. Wyzykowski

Applicant : John S. Wang, et al. Confirmation No. 8535
Application No. : 10/810,271
Filed : March 26, 2004
Title : METHOD AND APPARATUS FOR IMPROVED HIGH-SPEED FEC
ADAPTIVE EQUALIZATION

Grp./Div. : 2627
Examiner : Jacob M. Meek

Docket No. : 56802/V165

**INFORMATION DISCLOSURE STATEMENT WITH FEE
UNDER 37 CFR §§ 1.97(c) AND 1.17(p)**

Mail Stop AMENDMENT
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March 22, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of the NON-US listed references are enclosed.

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

03/27/2006 CNEGA1 00000043 10610271

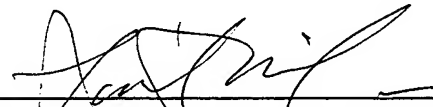
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160.00 DP

Application No. 10/810,271

Enclosed is the processing fee of \$180 as required by 37 CFR § 1.17(p). The Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction. **A copy of this paper is enclosed.**

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLP

By 
Saeid Mirstafian, Reg. No. 52,035
Telephone No. 626/795-9900

DMC/rmw
Enclosures: Check \$180
Copy of IDS
Form PTO/SB/08A/B, w/references

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FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B



INFORMATION DISCLOSED

STATEMENT BY APPLICANT

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Attorney Docket Number

56802/V165

Application Number

10/810,271

Filing Date

March 26, 2004

Applicant(s)

John S. Wang, et al.

Group Art Unit

2637

Examiner Name

Jacob M. Meek

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		3,845,390	10-29-1974	De Jager et al.
		US 2002/0034222 A1	03-21-2002	Buchwald et al.

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
		WO 2005/034370 A2	04-14-2005	Big Bear Networks	
		WO 2005/034370 A3	09-29-2005	Big Bear Networks	

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Ding, Z., et al., "On The Admissibility Of Blind Adaptive Equalizers", Acoustics, Speech, and Signal Processing, 1990, ICASSP-90, 1990 International Conference on 3-6 April 1990, Vol. 3 (pgs. 1707-1710).
		Macchi, O., et al., "Convergence Analysis Of Self-Adaptive Equalizers", Information Theory, IEEE Transactions, Vol. 30, Issue 2, March 1984 (pgs. 161-176).
		Ungerboeck, G., "Nonlinear Equalization Of Binary Signals In Gaussian Noise", Communications, IEEE Transactions on [legacy, pre-1988] Vol. 19, Issue 6, Part 1, Dec. 1971 (pgs. 1128-1137).

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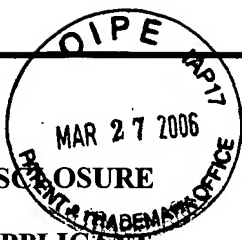
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Examiner Name	Jacob M. Meek

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Dualibe, C., et al., "Embedded Fuzzy Control For Automatic Channel Equalization After Digital Transmissions", Circuits and Systems, 2001, ISCAS 2001. The 2001 IEEE International Symposium, Vol. 3, May 6-9, 2001 (pgs. 173-176).
		Wang, J., Office Action for U.S. Application No. 09/955,278, filed September 11, 2001, entitled "Method And Apparatus For Improved High-Speed Adaptive Equalization", Office Action Mailed December 13, 2005 (15 pgs.).
		Glentis, G.-O., et al., "Efficient Least Squares Adaptive Algorithms For FIR Transversal Filtering", Signal Processing Magazine, IEEE Signal Processing Magazine, Vol. 16, Issue 4, July 1999 (pgs. 13-41).
		Glentis, G.-O.A., et al., "Fast Adaptive Algorithms For Multichannel Filtering And System Identification", IEEE Transactions on Signal Processing, Vol. 40, Issue 10, Oct. 1992 (pgs. 2433-2458).
		Qureshi, S.U.H., "Adaptive Equalization", Proceedings of the IEEE, Vol. 73, Issue 9, Sept. 1985 (pgs. 1349-1387).

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